ABSTRACT

A system and method of engineering project design using a real-time interface with a global computer network comprises a database for approved engineering specific Universal Record Locator (URL) links which is indexed according to predetermined engineering search queries. The URL database is in communication with an Internet server and is accessed by a user via a Web browser. A graphical user interface (GUI) is provided which allows a user to perform a categorized database inquiry for an engineering project for using a cascading drop-down menu process for a selected engineering project. A design process template is provided for a specific engineering project which includes formulas and a menu for the project. The user inputs critical parameters regarding the specification and requirements for the engineering project., and iterative calculations are performed to arrive at an acceptable final design using material and component data retrieved from Web pages. Permit and regulatory information based on the geographic location of the project is also obtained from Web pages. A Job Folder Checklist is provided to receive and document all relevant information for the engineering project.